

Yamaha 660 Grizzly Service Manual



GRIZZLY 660 **2003-2008**

Service Manual



REPAIRMANUAL.COM

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Yamaha 660 Grizzly service manual is an essential resource for owners and mechanics alike, providing comprehensive information on maintenance, repairs, and troubleshooting for this robust all-terrain vehicle (ATV). The Yamaha Grizzly 660, known for its powerful performance, durability, and versatility, is a favorite among outdoor enthusiasts and utility workers. This article will delve into the key features of the Yamaha 660 Grizzly service manual, including maintenance schedules, troubleshooting tips, and detailed repair procedures.

Understanding the Yamaha 660 Grizzly

The Yamaha Grizzly 660 is a powerful ATV designed for both recreational and utility purposes. It features a liquid-cooled, 4-stroke engine with a range of capabilities that make it suitable for various terrains. The vehicle is equipped with a robust suspension system, powerful brakes, and a durable chassis, making it a reliable choice for off-road adventures.

Key Specifications

Here are some of the primary specifications of the Yamaha 660 Grizzly:

1. Engine Type: 660cc, liquid-cooled, 4-stroke single-cylinder
2. Bore x Stroke: 102.0 mm x 84.0 mm
3. Compression Ratio: 9.2:1
4. Fuel System: Electronic Fuel Injection (EFI)
5. Transmission: Ultramatic automatic transmission with reverse
6. Drive System: 2WD/4WD selectable
7. Brakes: Hydraulic disc brakes (front and rear)
8. Towing Capacity: Up to 1,200 lbs
9. Fuel Tank Capacity: 4.76 gallons

Importance of the Service Manual

The Yamaha 660 Grizzly service manual serves as a critical tool for ensuring the longevity and optimal performance of the ATV. Here are a few reasons why having this manual is indispensable:

- Comprehensive Maintenance Guidelines: The manual outlines regular maintenance tasks, helping you keep your vehicle in top shape.
- Troubleshooting Information: It provides diagnostic procedures for common issues, allowing for efficient troubleshooting.
- Repair Procedures: Detailed instructions on how to perform repairs, including diagrams and specifications.
- Safety Tips: Guidelines on safe operation and maintenance practices.

Maintenance Schedules

Regular maintenance is vital for the longevity of your Yamaha 660 Grizzly. The service manual outlines a maintenance schedule that includes both routine checks and major service intervals.

Routine Maintenance Tasks

1. Oil Change: Change the engine oil every 100 hours of operation or

annually, whichever comes first.

2. Air Filter Inspection: Check the air filter monthly and replace it if dirty.

3. Brake Fluid Check: Inspect brake fluid levels every month and replace as necessary.

4. Tire Pressure: Check tire pressure before each ride, maintaining it at the recommended PSI.

5. Battery Maintenance: Inspect the battery terminals and clean them regularly.

Major Service Intervals

- Every 1,000 miles or annually:
 - Replace engine oil and oil filter
 - Inspect and adjust the drive belt
 - Inspect the spark plug
 - Check the suspension components
- Every 2,000 miles or biennially:
 - Replace the air filter
 - Inspect the braking system in detail
 - Flush and replace the coolant
- Every 5,000 miles:
 - Full engine service including valve clearance adjustment
 - Transmission fluid replacement

Troubleshooting Common Issues

Even with diligent maintenance, issues can arise. The Yamaha 660 Grizzly service manual offers troubleshooting guides for common problems. Here are some frequent issues and their potential solutions:

Starting Problems

- Symptoms: Engine won't start or cranks slowly.
- Possible Causes:
 - Weak battery: Check and replace if necessary.
 - Faulty starter: Inspect and test the starter motor.
 - Fuel issues: Ensure there is fuel in the tank and that the fuel system is functioning.

Overheating

- Symptoms: Temperature gauge in the red zone.
- Possible Causes:
 - Low coolant levels: Check and refill if necessary.
 - Blocked radiator: Clean any debris obstructing airflow.
 - Faulty thermostat: Test and replace if malfunctioning.

Braking Issues

- Symptoms: Poor braking performance or unusual noises.
- Possible Causes:
 - Worn brake pads: Inspect and replace if needed.
 - Air in the brake lines: Bleed the brakes to remove air.
 - Low brake fluid: Check and refill as necessary.

Repair Procedures

The Yamaha 660 Grizzly service manual provides step-by-step instructions for various repair procedures. Below are some common repairs that may be needed:

Replacing the Oil Filter

1. Gather Tools: You will need an oil catch pan, a wrench, and a new oil filter.
2. Drain Oil: Start by draining the old engine oil into the catch pan.
3. Remove Old Filter: Use a wrench to unscrew the old oil filter.
4. Install New Filter: Apply a thin layer of oil to the gasket of the new filter and screw it into place.
5. Refill Oil: Add new oil through the dipstick tube, following the manufacturer's specifications.

Changing the Spark Plug

1. Remove Seat: Take off the seat to access the engine compartment.
2. Disconnect Battery: Disconnect the negative terminal to prevent electrical issues.
3. Remove Old Spark Plug: Use a spark plug wrench to unscrew the old plug.
4. Install New Spark Plug: Place the new spark plug in the socket and tighten it securely.
5. Reconnect Battery and Seat: Reconnect the battery and replace the seat.

Where to Find the Service Manual

The Yamaha 660 Grizzly service manual can be obtained through several sources:

- Official Yamaha Website: Check the Yamaha website for downloadable manuals.
- Local Dealerships: Yamaha dealerships often have printed copies available for purchase.
- Online Retailers: Websites like Amazon or eBay may offer both new and used copies of the manual.

Conclusion

In summary, the Yamaha 660 Grizzly service manual is an invaluable resource for any Grizzly owner or mechanic. It provides detailed information on maintenance schedules, troubleshooting techniques, and repair procedures, ensuring that your ATV remains in peak operating condition. By following the guidelines in the manual, you can enhance the performance and lifespan of your Yamaha 660 Grizzly, making the most of your off-road adventures. Regular maintenance and timely repairs not only ensure safety but also enhance the overall riding experience, allowing you to enjoy everything this powerful ATV has to offer.

Frequently Asked Questions

What is the purpose of the Yamaha 660 Grizzly service manual?

The Yamaha 660 Grizzly service manual provides detailed instructions for maintenance, repair, and troubleshooting of the ATV, ensuring optimal performance and longevity.

Where can I find a Yamaha 660 Grizzly service manual?

You can find the Yamaha 660 Grizzly service manual on Yamaha's official website, authorized dealerships, or through various online platforms that sell or provide downloadable manuals.

What kind of maintenance information is included in the Yamaha 660 Grizzly service manual?

The service manual includes information on routine maintenance tasks, fluid changes, electrical system checks, and detailed procedures for repairing

specific components.

Is the Yamaha 660 Grizzly service manual available in digital format?

Yes, the Yamaha 660 Grizzly service manual is often available in digital format as a PDF, which can be downloaded for convenience.

How often should I refer to the Yamaha 660 Grizzly service manual?

You should refer to the Yamaha 660 Grizzly service manual regularly, especially during routine maintenance checks, repairs, or if you encounter any issues with the ATV.

Does the Yamaha 660 Grizzly service manual cover troubleshooting guides?

Yes, the service manual includes troubleshooting guides that help identify and resolve common issues with the Yamaha 660 Grizzly.

Can the Yamaha 660 Grizzly service manual help with custom modifications?

While the primary focus is on maintenance and repair, the service manual can provide insights on the stock components, which can be helpful when considering custom modifications.

What tools are recommended in the Yamaha 660 Grizzly service manual?

The service manual typically recommends specific tools such as wrenches, screwdrivers, pliers, and diagnostic tools necessary for servicing the Yamaha 660 Grizzly.

Is the Yamaha 660 Grizzly service manual useful for beginners?

Yes, the Yamaha 660 Grizzly service manual is written in a way that is accessible to beginners, providing step-by-step instructions and diagrams to assist with maintenance and repairs.

Are there any recalls or service bulletins mentioned in the Yamaha 660 Grizzly service manual?

The service manual may reference specific recalls or service bulletins; however, it is advisable to check Yamaha's official website or contact a dealer for the most current information.

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